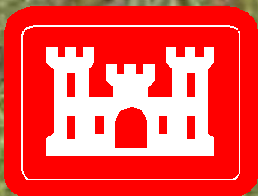


# Water Preserve Areas Status



COMPREHENSIVE  
EVERGLADES  
RESTORATION PLAN





# Project Objectives

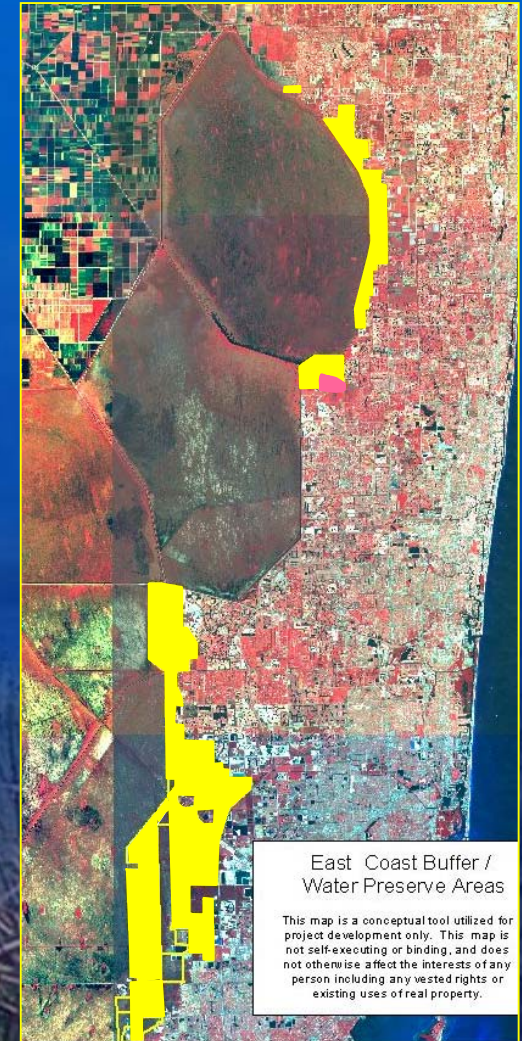
## ● Water Supply

- Retain water in the natural system
- Capture and treat water currently discharged to tide
- Provide water conveyance while minimizing natural area impact

## ● Environmental Restoration

- Provide a buffer between natural and developed areas
- Preserve and protect wetlands outside the Everglades (increase spatial extent)

## ● Flood Protection (incidental)



# Plan Features

1. **Acme Basin B (PBC)**
2. Strazzulla Wetlands (PBC)
3. Hillsboro Impoundment (PBC)
4. North New River Improvements (BC)
5. C-11 Impoundment (BC)
6. C-9 Impoundment (BC)
7. WCA 3A/3B Seepage Management (BC)
8. WCA 3 Flows to Central Lake Belt Storage Area (BC)
9. WCA 2B Flows to Central Lake Belt Storage Area (partial) (BC & M-DC)
10. Dade Broward Levee and Canal (M-DC)
11. C-4 Eastern Structure (M-DC)
12. North Lake Belt Storage Area (partial) (M-DC)
13. Central Lake Belt Storage Area (partial) (M-DC)
14. **Bird Drive Recharge Area (M-DC)**



# Key Issues

- Plan Formulation Process
- Plan Benefits
- Draft Plan Comment Response
- Bird Drive Recharge Area
- Hillsboro South Compartment
- Special Project Implementation Report
- Water Supply/Savings Clause
- Water Reservation and Allocation
- Water Resources Development Act 2002

# Plan Formulation

- **Model Comparisons**
  - 1995 base
  - 2050 base (without plan)
  - 2050 with plan (CERP + WPAs)
  - **2010 interim (WPAs only)**
  - **2050 with plan (CERP - WPAs)**





# Key Results - 2010

## (Compared with 2010 Base)

- Water Restrictions: No Adverse Impacts
- Water Supply: Increased by 18,700 acre-feet
- Discharge to Tide: Reduced by 37,000 acre-feet
- Seepage Management: Reduced by 64,000 acre-feet
- Water Quality: 77% of Runoff Diverted from Everglades Protection Area at S-9

# Key Results - CERP less WPA (2050 with Project)

- Water Restrictions: Slight Decrease in Palm Beach, Broward and Lake “O” Service Area
- Slight Increase in Water: Lake Okeechobee
- No Lake Okeechobee Deliveries to Miami-Dade
- More Seepage Loss to the East
- More Discharge to Tide
- Less Water to Everglades National Park
- WCA 2B: Higher Water Levels
- Increased Regulatory Releases



# Seepage Management

(Acre-feet per year eastward)

<u>Components</u>	<u>2050 Base</u>	<u>WPA</u>
Hillsboro Impoundment	4,200	2,100
C-11 Impoundment	14,700	7,000
C-9 Impoundment	13,800	4,000
WCA 3A/3B Seepage	180,400	23,600
Dade Broward Levee*	<u>88,000</u>	<u>76,000</u>
Totals	301,100	112,700

\* Future WRDA Component



# Summary of Benefits

## (Comparison with 2050 Base)

Alternatives	Water Supply (acre-feet)	Wetlands (acres)	Seepage (acre-feet)
Restudy(D13R)	403,400	7,895	124,500
WPAs	478,300	7,895	112,700
Enhancements	74,900	0	11,800

# Bird Drive Recharge Area

- Expediting Land Acquisition
- Working with USACE to Expedite Schedule
- Conduct Revised 2010 Modeling
- Include in Earliest Possible WRDA
- Coordinate with L-31N Seepage Mgmt Project





# Key Issues

- Plan Formulation Process
- Plan Benefits
- Draft Plan Comment Response
- Bird Drive Recharge Area
- Hillsboro South Compartment
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# Recommended Plan

## Recommendation I

### WRDA 2000 Authorization

1. Hillsboro Site One Impoundment
2. Broward County Water Preserve Areas
  - C-11 Impoundment and Diversion Canal
  - C-9 Impoundment
  - WCA 3A/3B Seepage Management



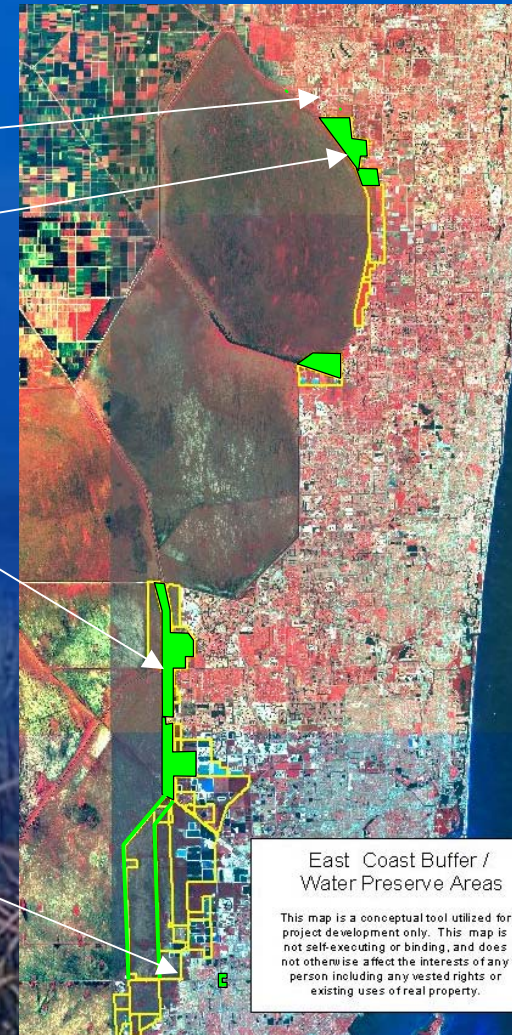


# Recommended Plan

## Recommendation II

### WRDA 2000 Program Authority

1. Acme Basin B Discharge
2. Strazzulla Wetlands
3. WCA 3 Flows to Central Lake Belt Storage
4. Eastern C-4 Structure





# Recommended Plan

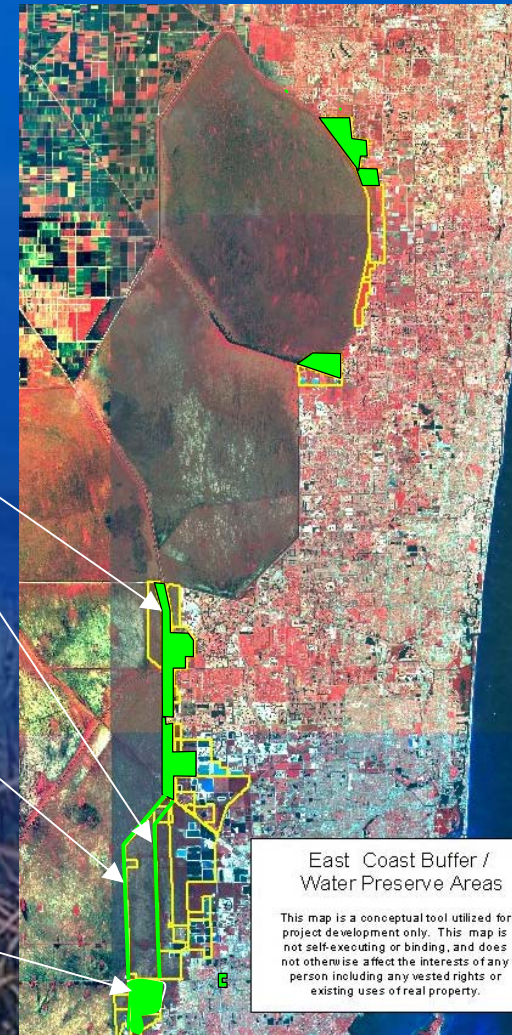
## Recommendation III

### Future WRDA Authorization

1. Broward County Water Preserve Areas
  - WCA 2B Flows to Central Lake Belt Storage (partial)

2. Dade Broward Levee and Canal
  - Dade Broward Levee and Canal
  - North Lake Belt Storage Area (partial)
  - Central Lake Belt Storage Area (partial)

3. Bird Drive Recharge Area





# **What's Next**

- **Close Out Feasibility Study**
- **Project Mgmt Plan for PIRs**
- **Programmatic Regulations**
- **Project Implementation Reports**
- **State Review Process**
- **House and Senate Committees Resolution**
- **Future Water Resource Development Act  
Authorizations for those projects not currently  
authorized**



**Thank you!**